


U.S. Department of Energy Sustainability Performance Office DOE Sustainability SPOTlight

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SUSTAINABILITY NEWS

WAPA REC Assistance Deadline Extended

FEMP and the Western Area Power Administration have extended the deadline for assistance in purchasing Renewable Energy Certificates (RECs). Statements of Intent are now due by May 10th, after which WAPA will issue a Request for Proposal, evaluate proposals, and execute the best contract. DOE's Inspector General has found that REC costs can be lowered when they are purchased through experienced intermediaries such as WAPA.  FEMP funding may also be available to cover administrative costs, providing further value.

<http://ww2.wapa.gov/SITES/WESTERN/RENEWABLES/PMTAGS/Pages/pmtagspurchase.aspx>

DOE Earns Top Spot on Federal Green Power List

DOE recently topped the Federal list of EPA's Green Power Partnership (GPP) Top Partners after utilizing two and a half times more green power than the second place U.S. Air Force. DOE also finished 6th on the overall National, making it one of only two Federal entities in the top 20. More than 1,400 public and private partners participate in the GPP.



In 2012, DOE used 698 GWh of green power, totaling 14% of its total electricity consumption. This percentage differs slightly from other renewable reporting since credits and bonuses are not counted in the GPP, only actual energy use. Keep up the good work!

<http://www.epa.gov/greenpower/toplists/top10federal.htm>

Milestone LANL Supercomputer Retired

Los Alamos' Roadrunner supercomputer was decommissioned on March 31, ending a five year run. It debuted in 2008 as the fastest computer in the world and the first to pass the one petaflop mark. The computer performed simulations for NNSA's Stockpile Stewardship Program, helping to improve understanding of the energy flow in nuclear weapons. The knowledge gained by the computer helped ensure that the stockpile remains safe without the use of underground weapons testing.



The computer also showcased the heavy energy demands of high performance computers, and helped push a movement to improve efficiency. While the computer still ranked in the top 25 in the world, efficiency was a consideration in the retirement. A newer unit matching Roadrunner's performance uses 2-4 times less energy, resulting in significantly reduced operating costs. Systems utilized by DOE and others now heavily pursue energy efficiency as a way to save money as the computers scale up considerably in size. Oak Ridge's Titan is the current world's fastest, running nearly 17 times faster than Roadrunner while using only 3.5 times more electricity.

<http://www.lanl.gov/newsroom/news-releases/2013/March/03.29-end-of-roadrunner.php>

SUSTAINABILITY SUPERSTARS

Drew Campbell is tying the knot! Please join us in congratulating him and wishing him the best of luck in his new life.

Drew has served as Deputy Director of the Sustainability Performance Office since it was established in 2010. In this role, he works tirelessly to ensure that DOE meets its sustainability goals.



Send us your champion!



FY 2013 DOE Sustainability Awards — The FY 2013 DOE Sustainability Awards database is now open!

Visit <http://sustainability.energy.gov/nominate> to create an account, view the list of awards and nominate exemplary people and projects. Winners will be recognized in the Fall of 2013.

UPCOMING EVENTS AND MILESTONES



(Click to view SPO Calendar) ↑

Courses, Webinars, and Events

May 8: Placing UESC Task Orders

May 15: EFCOG Energy & Sustainability Subgroup Meeting

Jun 6: Rethinking O&M For Green Buildings

Jun 18: DCPro Tool Training

ON-DEMAND TRAINING

Certifications

GSA-Sponsored LEED Training Certification for Federal Employees

Financing

ESPCs for Small Sites

UESCs and Energy Project Funds

Buildings

Commissioning for Federal Facilities

Operations, Maintenance, and Commissioning

Implementing Deep Retrofits

Water

Water Efficiency Planning and Implementation

Data Centers

Data Center Efficiency to ASHRAE Thermal Guidelines

Labs, Data Centers and High-Tech Facilities

Greenhouse Gas Reporting

Federal GHG Accounting and Reporting

Sustainable Acquisition

Energy-Efficient Product Procurement

SUCCESS STORIES

Berkeley To Offer Workplace Electric Vehicle Charging

In May, LBNL will debut 10 new parking spaces devoted to electric vehicle charging. The 120V “slow” chargers will be available to employees at rate of \$1/day. A 2012 survey found that 20 employees at the site already owned electric vehicles, with potential for significant expansion.

The program will then be expanded in a second stage with five additional spaces outfitted with 240V “fast” chargers. The second phase will be coordinated with vehicle-to-grid research performed at the lab. In a vehicle-to-grid system, the vehicle’s battery serves as storage for grid-generated electricity to help balance the variability of renewable energy systems.

<http://newscenter.lbl.gov/feature-stories/2013/04/22/berkeley-lab-to-offer-workplace-electric-vehicle-charging/>



LBNL scientist Howdy Goudey tests the new EV station prior to roll out

NREL Charging Station Serves as Research Platform



A GE DuraStation Level II

Staff members at the NREL recently began plugging their cars into the solar powered electric (EV) charging stations that were installed in NREL’s new parking garage. Researchers are monitoring their energy use and collecting data that will enable the development of load evaluation and prediction models. These models are of interest to utilities, businesses, and agencies and will encourage the deployment of energy monitoring equipment.

In February 2012, 18 double-pedestal charging stations were installed (36 GE DuraStation Level II). In the first seven months, more than 15 NREL staff signed up for the research effort and regularly use the charging stations to charge their personal vehicles. An informal survey of staff participating in the program identified the ability to charge at work as the main reason for purchasing a plug-in vehicle. New automotive dealer incentives have spurred additional interest in participation as five users have signed up since November 2012. For more information on NREL’s EV charging program, contact [Lissa Myers](#) at (303) 384-7325.

Energy Efficiency Expert Evaluation (E4) Training Released

SPO has released a training video outlining the E4 process. E4 evaluations are designed to respond to the need for immediate, cost-effective energy savings. These assessments, developed by FEMP, highlight low-cost/no-cost O&M measures that reduce energy consumption and cost. Visit the Powerpedia to view the video. PNNL has also previously published an evaluation of eight E4 audits that it conducted for GSA-owned buildings in the Midwest, with average savings of 6% without additional investment.

<https://powerpedia.energy.gov/wiki/E4>

